

CLAIMS

What I claim as my invention is:

1) A package consisting of an assembly of:

a container composed of a generally cylindrical sidewall having an integral base wall at one end and an opening at the other end; and the interior surface of said container sidewall having retention means for retaining a closure at or near said other end;

and a closure composed of a generally cylindrical sidewall that is smaller in diameter than the interior surface of said container sidewall; has retention means on the outer surface of said closure sidewall that cooperates with said container retention means, and has a top panel integrally formed at one end; said top panel has a top surface that is smaller in diameter than the exterior diameter of the container, and has little or no projection above said container other end;

said closure being removable from said container by rotating said closure with respect to said container.

2) A package according to claim 1 having sealing means such that when said closure is applied to said container such that the package is closed, a surface on the exterior of said closure and a surface on the interior of said container will be in continuous contact with each other so as to prevent or reduce the ingress or egress of moisture or water vapor to the package, along the area of contact.

3) A package according to claim 2 where the sealing means is provided by continuous contact of a portion of said container sidewall top surface and a portion of the bottom surface of said closure top panel when said package is closed.

4) A package according to claim 1 having a slot extending from the top surface of said closure top panel toward the bottom surface of said top panel.

- 5) A package according to claim 1 having said closure and said container being composed of one or more plastic materials.
- 6) A package according to claim 1 having the outer surface of said closure top panel being convex.
- 7) A package according to claim 1 where the retention means on said container and closure are composed of screw threads.
- 8) A package according to claim 1 where the retention means on the container and closure are composed of engaging beads.
- 9) A package according to claim 8 where the said engaging bead on said closure is the periphery of said closure top panel and the retention means on the container consists of said engaging bead being at or near the said open end of the sidewall and a reduced diameter of said sidewall below said engaging bead to limit the distance the closure can be inserted into the container.
- 10) A package according to claim 9 having an inclined surface protruding from the interior of said container sidewall near said other end and a generally vertical spline protruding from said closure sidewall a sufficient distance so that the bottom surface of said spline will contact and move up said inclined surface as said closure is rotated with respect to said container.
- 11) A package consisting of an assembly of:
a container having a first generally cylindrical sidewall having an integral base wall at one end and an integrally connected second generally cylindrical sidewall being larger in diameter at the other end; said second generally cylindrical sidewall being integral with said first generally cylindrical sidewall by a generally conical section at one of its ends and an opening at its other end; and said second generally cylindrical sidewall having retention means on its interior surface, for retaining a closure, at or near said opening;

a closure having a generally cylindrical sidewall that is smaller in diameter than the interior surface of said container second generally cylindrical sidewall; and having retention means on its outer surface that cooperates with said container second generally cylindrical sidewall retention means; and having a top panel at one end that has a top surface that is smaller than the exterior diameter, of said container second generally cylindrical sidewall, and has little or no projection above said second generally cylindrical sidewall;
said closure being removable from said container by rotating said closure with respect to said container.

12) A package according to claim 11 having sealing means such that when said closure is assembled with said container such that the package is closed, cooperating surfaces on the closure and container will be in continuous contact with each other so as to prevent or reduce the ingress or egress of moisture or water vapor to the package along the area of contact.

13) A package according to claim 12 where said sealing means is composed of a portion of the surface of said container second generally cylindrical sidewall contacting a portion of said closure sidewall such that it reduces or prevents the ingress or egress of moisture into or out of the package.

14) A package according to claim 12 where said sealing means is composed of a portion of the surface of said container second generally cylindrical sidewall being in continuous contact with a portion of said closure top panel, when the package is closed.

15) A package according to claim 11 having a slot extending from the top surface of said closure top panel toward the bottom surface of said closure top panel.

16) A package according to claim 11 having said closure and said container composed of one or more plastic materials.

17) A package according to claim 11 such that said retention means is composed of screw threads on the exterior of the closure sidewall and interior of said container second generally cylindrical sidewall.

18) A package according to claim 11 where the said retention means on said closure is the periphery of said closure top panel and the retention means on the container consists of a bead being at or near the said open end of the said second generally cylindrical sidewall and a reduced diameter of said second generally cylindrical sidewall below said engaging bead to limit the distance the closure can be inserted into the container.

19) A package according to claim 18 having an inclined surface protruding from the interior of said container second generally cylindrical sidewall near said opening and a generally vertical spline protruding from said closure sidewall a sufficient distance so that the bottom surface of said spline will contact and move up said inclined surface as said closure is rotated with respect to said container to disengage said closure from said container to open the package.